



Image AF/1646

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Ni et al.

Docket No.: PF199D2

Application No.: 09/911,346

Confirmation No.: 4955

Filed: July 24, 2001

Art Unit: 1646

For: Antibodies to Natural Killer Cell Enhancing  
Factor C

Examiner: P. Mertz

**REPLY UNDER 37 C.F.R. § 1.116**

**Mailstop AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

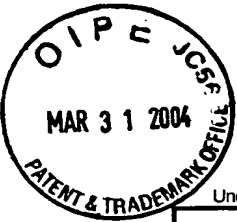
In response to the Official Action mailed February 4, 2004, Applicants request that the following amendments and remarks be entered into the above-identified application. Applicants submit concurrently herewith:

(a) Declaration Under 37 C.F.R. § 1.132 by Victor Roschke with Exhibits

- A *Curriculum vitae* of Dr. Viktor Roschke,
- B Shau *et al.* Natural Killer Cell Enhancing Factor, October 5, 1993, United States Patent Number: 5,250,295
- C Shau *et al.* DNA's Encoding Natural Killer Cell Enhancing Factor, March 11, 1997, U.S. Patent No: 5,610,286
- D Golub *et al.* *Immunology: a Synthesis*, 2nd edition, Sunderland, MA: Sinauer Associates, Inc. 1991: p. 23, 27
- E NCBI Field Glossary from <http://www.ncbi.nlm.nih.gov/Class/FieldGuide/glossary.html#A>,
- F Santa Cruz Biotechnology, Inc. 1997/98 *Research Antibodies Catalog*, pages 239 and 319, and
- G an alignment of NKEF A, NKEF B, and NKEF C;

(b) Fee Transmittal Sheet.

Remarks begin on page 2.



<b>FEE TRANSMITTAL</b> <b>for FY 2004</b> <small>Effective 10/01/2003, Patent fees are subject to annual revision.</small>		<b>Complete if Known</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	09/911,346-Conf. #4955
<b>TOTAL AMOUNT OF PAYMENT</b> (\$) 0.00		Filing Date	July 24, 2001
		First Named Inventor	Jian Ni
		Examiner Name	P. Mertz
		Art Unit	1646
		Attorney Docket No.	PF199D2

**METHOD OF PAYMENT** (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number: 08-3425

Deposit Account Name: Human Genome Sciences, Inc.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION**

**1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
<b>SUBTOTAL (1)</b> (\$)					0.00

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims: 106 -118\*\* = 0 x Fee from below = Fee Paid

Independent Claims: 10 -12\*\* = 0 x Fee from below = Fee Paid

Multiple Dependent

Large Entity		Small Entity		Fee Description	
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
<b>SUBTOTAL (2)</b> (\$)					0.00

\*\* or number previously paid, if greater; For Reissues, see above

**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)					
*Reduced by Basic Filing Fee Paid					
<b>SUBTOTAL (3)</b> (\$)					0.00

<b>SUBMITTED BY</b>		<b>(Complete if applicable)</b>	
Name (Print/Type)	Lin J. Hymel	Registration No. (Attorney/Agent)	45,414
Signature		Telephone	(301) 251-6015
		Date	31 March 2004